

Amendments to the Claims:

Cancel claims 1-20.

21. A process for photo-fabricating a three-dimensional object by selectively curing a photo-curable resin composition comprising:

(a) an oxetane having two or more oxetane rings;

(b) an epoxy compound; and

(c) a cationic photoinitiator,

wherein said process comprises

(i) forming a layer of said composition;

(ii) selectively irradiating said layer of said composition to form a solid cured resin layer;

(iii) forming a layer of said composition on the solid cured resin layer; and

(iv) repeating steps (ii) and (iii).

22. A process for photo-fabricating a three-dimensional object by selectively curing a photo-curable resin composition comprising:

(a) an oxetane;

(b) an epoxy compound; and

(c) a cationic photoinitiator,

wherein said process comprises

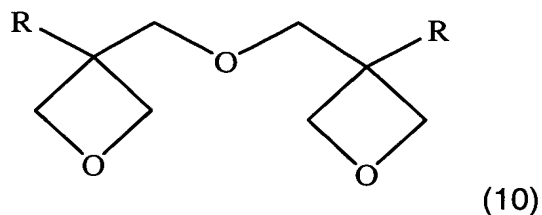
(i) forming a layer of said composition;

(ii) selectively irradiating said layer of said composition to form a solid cured resin layer;

(iii) forming a layer of said composition on the solid cured resin layer; and

(iv) repeating steps (ii) and (iii);

wherein said oxetane is represented by the following formula (10):



wherein R represents a hydrogen atom; a fluorine atom; an alkyl group having from 1 to 6 carbon atoms; a fluoroalkyl group having from 1 to 6 carbon atoms; an aryl group having from 6 to 18 carbon atoms; a furyl group; or a thienyl group.

23. The process of claim 22, wherein each R represents an alkyl group having from 1 to 6 carbon atoms.

24. The process of claim 22, wherein each R represents an ethyl group.

25. A process for photo-fabricating a three-dimensional object by selectively curing a photo-curable resin composition comprising:

(a) an oxetane having 3 or more oxetane rings;

(b) an epoxy compound; and

(c) a cationic photoinitiator,

wherein said process comprises

(i) forming a layer of said composition;

(ii) selectively irradiating said layer of said composition to form a solid cured resin layer;

(iii) forming a layer of said composition on the solid cured resin layer; and

(iv) repeating steps (ii) and (iii).

Cancel claims 26 – 53.

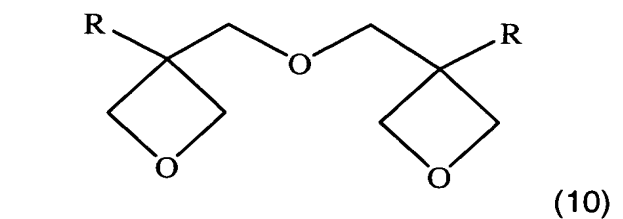
54. A composition comprising:

(i) an oxetane comprising two or more oxetane rings;

(ii) an epoxy compound;

- (iii) a cationic photoinitiator; and
- (iv) a polyfunctional monomer selected from the group consisting of penta(meth)acrylates and hexa(meth)acrylates.

55. The composition of claim 54, wherein said oxetane is represented by the following formula 10:



wherein R represents a hydrogen atom; a fluorine atom; an alkyl group having from 1 to 6 carbon atoms; a fluoroalkyl group having from 1 to 6 carbon atoms; an aryl group having from 6 to 18 carbon atoms; a furyl group; or a thienyl group.

56. The composition of claim 55, wherein each R represents an alkyl group having from 1 to 6 carbon atoms.

57. The composition of claim 55, wherein each R represents an ethyl group.

58. A composition comprising:

- (i) an oxetane comprising three or more oxetane rings;
- (ii) an epoxy compound;
- (iii) a cationic photoinitiator; and
- (iv) a polyfunctional monomer selected from the group consisting of penta(meth)acrylates and hexa(meth)acrylates.

Cancel claims 59 – 67.

Statement Under 37 C.F.R. § 1.173 (c)

Status of the Claims

Claims 21-25 and 54-58 are currently pending.

Claims 1-20, 26-53 and 59-67 have been cancelled.